

What is claimed is:

1. An optical multiplexer/demultiplexer device comprising:
 - a broadband mirror having a first reflective surface, and
 - an optical band pass filter having a second reflective surface, disposed adjacent to said broadband mirror with said second reflective surface facing said first reflective surface,
 - wherein the space between said first and second reflective surfaces is filled with an optically transmissive media, and
 - wherein, said first and second surfaces deviate from parallel by a small angle;
 - a broadband mirror disposed on said first surface; and
 - an optical band-pass filter disposed on said second surface.
2. The device of claim 1 wherein said optically transmissive media is a glass or fused silica integrator block.
3. The device of claim 1 wherein said first and second surfaces are both planar surfaces that deviate from parallel by a first wedge angle.
4. The device of claim 3 wherein said first wedge angle is between about 4 arc minutes and about 16 arc minutes.
5. The device of claim 3 wherein said broadband mirror has a third planar surface contiguous with said first surface, and said third surface deviating from parallel to said second surface by a second wedge angle differing from said first wedge angle.
6. The device of claim 5 wherein said first wedge angle and said second wedge angle are between about 4 arc minutes and about 16 arc minutes.
7. The device of claim 1 wherein at least one of said first surface and said second surface is a non-planar surface such that the angle between said first surface and said second surface varies within a range between about 4 arc minutes and about 16 arc minutes.
8. The device of claim 1 further comprising a reflective optical device disposed adjacent to said optical band-pass filter.

9. The device of claim 8 wherein said reflective optical device comprises an array of at least two micro-electro-mechanical optical attenuators.

10. The device of claim 8 wherein said reflective optical device comprises an array of at least two electrically switchable Bragg grating attenuators.

11. The device of claim 8 wherein said reflective optical device comprises an array of at least two optical switches, which can be switched between a reflective mirror state and a transparent state.

12. The device of claim 8 further comprising a one-quarter-wave retardation plate disposed between said optical band-pass filter and said reflective optical device.